

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/090801

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : G06F 17/00; B64C 13/20 US CL : 701/3,7,120,121,220,300,302; 244/75R,175,189,190 According to International Patent Classification (IPC) or to both national classification and IPC																				
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 701/3,7,120,121,220,300,302; 244/75R,175,189,190 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)																				
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 5,043,903 A (CONSTANT) 27 August 1991 (27.08.1991), figures 1 and 4; column 2, lines 32-38; column 4, lines 55-59; column 6, lines 8-10.</td> <td>1,3-9, 11-15, 17-20,22,24, 25</td> </tr> <tr> <td>Y</td> <td></td> <td></td> </tr> <tr> <td>Y</td> <td>US 6,483,454 B1 (TORRE et al.) 19 November 2002 (19.11.2002), column 5, lines 30-38.</td> <td>2, 10, 16, 21, 23 2, 10, 16</td> </tr> <tr> <td>A</td> <td>US 5,521,817 A (BURDOIN et al.) 28 May 1996 (28.05.1996), entire document.</td> <td>1-34</td> </tr> <tr> <td>A</td> <td>US 3,573,818 A (LENNON et al.) 6 April 1971 (06.04.1971), see entire document.</td> <td>1-34</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 5,043,903 A (CONSTANT) 27 August 1991 (27.08.1991), figures 1 and 4; column 2, lines 32-38; column 4, lines 55-59; column 6, lines 8-10.	1,3-9, 11-15, 17-20,22,24, 25	Y			Y	US 6,483,454 B1 (TORRE et al.) 19 November 2002 (19.11.2002), column 5, lines 30-38.	2, 10, 16, 21, 23 2, 10, 16	A	US 5,521,817 A (BURDOIN et al.) 28 May 1996 (28.05.1996), entire document.	1-34	A	US 3,573,818 A (LENNON et al.) 6 April 1971 (06.04.1971), see entire document.	1-34
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.																				
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Date of the actual completion of the international search 17 November 2004 (17.11.2004)		Date of mailing of the international search report 10 JAN 2005																		
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Eric M Gibson Telephone No. (703) 308-1113																		